

#101B

Notice of Allowability

Application No.
09/026,475

Applicant(s)
Payn et al.

Examiner
Jennifer Calcagni

Group Art Unit
1762



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to September 16, 1999

☒ The allowed claim(s) is/are 2-13, 15, 18, and 19

☐ The drawings filed on _____ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 6

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☐ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 7, 9

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☐ Examiner's Statement of Reasons for Allowance

DIANA BUDASH
PRIMARY EXAMINER
GROUP 1100

B

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Silver on October 7, 1999.

2. The application has been amended as follows:

In the specification, on page 7, before line 1, the following is added:

BRIEF DESCRIPTION OF THE DRAWINGS

B₁ Figure 1 shows the process of applying the P/M fluid to a fabric using a knife-over-roll coater.

Figure 2 shows the process of applying the P/M fluid to a fabric using a knife-over-belt coater.

Figure 3 shows the process of applying the P/M fluid to a fabric using a direct roll coater.

Figure 4 shows the process of applying the P/M fluid to a fabric using a nip fed reverse roll coater.

Figure 5 shows the process of applying the P/M fluid to a fabric using a rod coater.

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B₁ Figure 6 shows the process of manufacture of a cured coated fabric using a knife-over-roll reverse roll coating process.

Figure 7 shows the process of applying the P/M fluid to a fabric using a melt calendering coater.

Claim 2. (Twice Amended) A process for preparing a coated material comprising the steps of:

(a) combining to form a homogeneous processable fluid comprised of:

(I) at least one polymer produced by a single site catalyst that produces terminal or chained reactive double bond sites, the polymer selected from the group consisting of polyolefin polymers, polyolefin copolymers, polyolefin terpolymers, aromatic polymers, and elastomers;

B₂ (ii) at least one polymerizable liquid selected from the group consisting of aromatic, aliphatic and cyclic hydrocarbons having one or more olefin, diene, triene, ester, nitrile, ketone, carboxylic acid, amide, amine and halide functional groups, the polymerizable liquid being compatible with the singe site catalyzed polymer [preformed polyalkene] at a processing temperature; and

(iii) a means to generate free radicals under curing conditions;

(b) applying the processable fluid of step (a) to a substrate to produce a coated substrate; and

(c) curing the coated substrate by free radical polymerization to produce a system substantially free of liquid monomer,

wherein steps (a) through (c) are carried out in a substantially inert environment.

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5 Claim ⁵~~6~~ (Twice Amended) The process of claim ¹~~2~~ wherein step (a) comprises a melt mixing of from about 30 weight % to about 90 weight % of at least one single site catalyzed polymer [metallocene polyolefin] and about 70 weight % to about 10 weight % of at least one polymerizable liquid [liquid monomer] which is compatible with the polyolefin at 100 degrees Centigrade and about 0.2 to about 15 parts per hundred of a compound that will initiate a free radical polymerization at 140 degrees Centigrade or higher but that will not induce polymerization at an appreciable rate at 120 degrees Centigrade or lower.

Claim 7. (Twice Amended). In line 1, -- 16 -- is changed to "6".

3. The following is an examiner's statement of reasons for allowance: the prior art does not teach or fairly suggest a homogeneous processable fluid that is produced with a polyolefin polymer produced by a single site catalyst that produces terminal or chained reactive double bond sites and a polymerizable liquid, where a cured coating is produced on a substrate by free radical polymerization and where the steps are carried out in an inert environment.

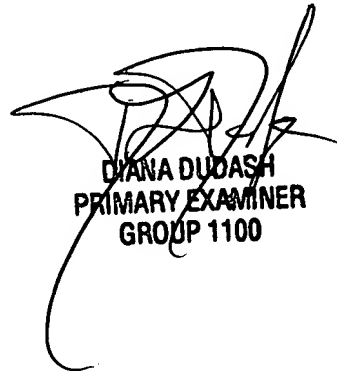
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer Calcagni whose telephone number is (703) 305-0595.



DIANA DUDOASH
PRIMARY EXAMINER
GROUP 1100

jac

October 12, 1999



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

VS-11

#11

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

IM62/1013

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/026,475	02/19/98	015	CALCAGNI, J	1762 10/13/9
First Named Applicant	PAYN,	35 USC 154(b) term ext. =	0 Days.	

TITLE OF INVENTION POLYMER MATERIAL AND METHOD OF MAKING SAME UTILIZING INERT ATMOSPHERE

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
1	C1136/20002	427-372.200	D03	UTILITY	YES \$605.00	01/13/0

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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